

**Notice of Allowability**

Application No.

10/050,663

Examiner

Belix M. Ortiz

Applicant(s)

YEH, ADAM E. C.

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/28/2005.
2. ☒ The allowed claim(s) is/are 1-60.
3. ☒ The drawings filed on 16 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**CHARLES RONES**  
**PRIMARY EXAMINER**

**DETAILED ACTION**

**Remarks**

1. In response to communications files on March 28, 2005. Claims 1-2, 18-19, and 52-53 are amended per applicant's request. Therefore, claims 1-60 are presently pending in the application.

***Reasons for Allowance***

2. Claims 1-60 are allowed.
3. The following is a statement of reasons for the indication of allowable subject matter: the prior arts of records, neither anticipates nor renders obvious the following limitations as claimed:

As to claims 1, 18, and 52 the prior art of records fail to anticipate or suggest one or more computer readable media having a data structure stored thereon, said data structure comprising:

a summary cube containing the members of at least one upper level of the general dimension; and

a detail cube, said detail cube including a horizontally partitioned dimension containing a first subset of the members of at least one lower level of the general dimension, said lower level associated with the partitioned dimension being lower in the hierarchy than the upper level associated with the summary- cube, said general dimension being horizontally partitioned based on a selected member of the upper level to form the

horizontally partitioned dimension, said first subset of the member of the lower level corresponding to the selected member of the upper level, together with the other limitations of the independent claims.

As to claim 44 the prior art of records fail to anticipate or suggest a template component for implementing a workflow to automatically create a second partitioned dimension component and a second detail cube database component said second partitioned dimension component containing a second of the members of the lower level of the dimension, said second subset of the members of the lower level being partitioned from the dimension based on another selected member of the upper level, said second detail cube database component including the second partitioned dimension component and one or more sub-cubes containing aggregations of the second subset of the member of the lower level from the second partitioned dimension component, together with the other limitations of the independent claims.

As to claim 48 the prior art of records fail to anticipate or suggest a detail cube database component including the partitioned dimension component and one or more sub-cubes containing aggregations of the subset of the members of the lower level from the partitioned dimension component; said detail cube database component and said summary tube database component having thee same dimensionality; and

a navigation component for implementing zoom in/zoom out events to navigate between information in the summary cube database component and information in the

detail cube database component, together with the other limitations of the independent claims.

The dependent claims being further limiting and definite are also allowable.

### *Conclusion*


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Belix M. Ortiz whose telephone number is 571-272-4081. The examiner can normally be reached on moday-friday 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 571-272-4083. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

bmo

April 28, 2005.

  
CHARLES RONES  
PRIMARY EXAMINER